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**1 Client-server computing in mobile environments**

Jin Jing, Abdelsalam Sumi Helat, Ahmed Elmagarmid

 June 1999 **Computing Surveys (CSUR)**, Volume 31 Issue 2

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (233.31 KB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 57, Downloads (12 Months): 574, Downl

Recent advances in wireless data networking and portable information a paradigm of computing, called mobile computing, in which users carryin and information services ...

**Keywords:** application adaptation, cache invalidation, caching, client/s operation, mobile applications, mobile client/server, mobile compuing, r system application

**2 Cool-Tether: energy efficient on-the-fly wifi hot-spots using mobile pl**

Ashish Sharma, Vishnu Navda, Ramachandran Ramjee, Venkata N. Padma

 December 2009 **CoNEXT '09: Proceedings of the 5th international conferen and technologies**
**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (1.52 MB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 89, Downlo

We consider the problem of providing ubiquitous yet affordable Internet work, and on the move. In this context, we take advantage of two signi commoditization of WiFi WLAN technology and ...

**Keywords:** 3g, energy efficient, mobile phones, tethering, web browsir

**3 URICA: Usage-aware Interactive Content Adaptation for mobile dev**

Iqbal Mohamed, Jim Chengming Cai, Eyal de Lara

 April 2006 **EuroSys '06: Proceedings of the 1st ACM SIGOPS/EuroSys E Systems 2006**
**Publisher:** ACM

 Full text available: [Pdf](#) (17.27 KB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 36, Downloa


Usage-aware Interactive Content Adaptation (URICA) is an automatic adaptation on mobile devices based on usage semantics. URICA allows users who make adaptation decision to take control of the ...

**Keywords:** content adaptation, customization, learning, mobile devices


Also published in:

October 2006 **SIGOPS Operating Systems Review** Volume 40 Issue 4

4 **MAR: a commuter router infrastructure for the mobile internet**

 Pablo Rodríguez, Rajiv Chakraborty, Julian Chesterfield, Ian Pratt, Suman J. June 2004 **MobiSys '04: Proceedings of the 2nd international conference on services**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (422.76 KB)


[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 116, Downloads


We introduce MAR, a commuter mobile access router infrastructure that provides diversity (network diversity, and technology diversity) to provide improved services to users. Our system design stems from ...

**Keywords:** channel diversity, multi-link bandwidth aggregation, wireless

5 **DSMeM: Streaming: distributed system to mitigate the effects of performance degradation on IEEE 802.11 WLANs**

 Manuel Vilas, Raquel Sanchez, Xabier G. Pañeda, David Melendi, Roberto G. January 2010 **Wireless Networks**, Volume 16 Issue 1

**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (842.98 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 11, Downloads

On IEEE 802.11 wireless LANs (WLAN) the clients have control over the best AP (access point) to be associated to and when and where to change ...


**Keywords:** Handoff, IEEE 802.11, Mobility, Streaming

6 **802.11 power-saving mode for mobile computing in Wi-Fi hotspots: Issues**

 G. Anastasi, M. Conti, E. Gregori, A. Passarella

December 2008 **Wireless Networks**, Volume 14 Issue 6

**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (777.06 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 240, Downloads

Nowadays Wi-Fi is the most mature technology for wireless-Internet access (increasing diffusion of Wi-Fi hotspots, energy limitations of mobile devices). The standard 802.11 includes a ...

**Keywords:** 802.11, Wi-Fi, mobile computing, network architecture & design, systems, power-saving mode

- 7 [Virtual operator based AAA in wireless LAN hot spots with ad-hoc network](#)  
Junbiao Zhang, Jun Li, Stephen Weinstein, Nan Tu

June 2002 **SIGMOBILE Mobile Computing and Communications Review**

**Publisher:** ACM

Full text available:  Pdf (180.11 KB)

Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 43, Downloads


Sound and effective authentication, authorization and accounting (AAA) mobile wireless accesses are of great importance given the increased popularity of public wireless LAN hot spots. One ...

- 8 [mango: low-cost, scalable delivery of rich content on mobiles](#)

Ankur Jain, Sharad Jaiswal, Anirban Majumder, Naidu K V M, Girija Narlikar, Poosala

August 2009 **MobiHeld '09: Proceedings of the 1st ACM workshop on Networked mobile handhelds**

**Publisher:** ACM

Full text available:  Pdf (444.62 KB)

Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 68, Downloads

We present mango, a low-cost and highly scalable content-delivery service targeted at emerging countries such as India where users are highly price-demand for rich media content. ...

**Keywords:** CDN, mobile applications

- 9 [When to use a compilation service?](#)

Jeffrey Palm, Han Lee, Amer Diwan, J. Elliot B. Moss

July 2002 **LCTES/ SCOPES '02: Proceedings of the joint conference on Languages, compilers, and tools for embedded systems: software and compilers for embedded systems**

**Publisher:** ACM 

Full text available:  Pdf (365.49 KB)

Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 15, Downloads

Modern handheld computers are certainly capable of running general purpose machines. However, short battery life rather than computational capability handheld computers. This paper considers ...



**Keywords:** Java, distributed compilation, energy efficient compilation

Also published in:

July 2002 **SIGPLAN Notices** Volume 37 Issue 7

- 10 [A social framework for content distribution in mobile transient networks](#)




Benjamin Molina, Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve

-  June 2008 **UPGRADE '08**: Proceedings of the third international workshop on development of content networks  
**Publisher:** ACM  
 Full text available:  Pdf (256.67 KB) **Additional Information:** [full citation](#), [abstract](#)  
**Biometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 89, Downloads

Transient networks are spontaneous networks that appear for a short period of time to provide services such as connectivity and content distribution among a small community of nodes, becoming multimodal by nature providing ...




**Keywords:** distributed and mobile transient network, intelligent agents, peer-to-peer, social network, web semantic

# 11 [Improving TCP performance over wireless networks with collaborative](#)

-  Kyu-Han Kim, Kang G. Shin  
 June 2005 **MobiSys '05**: Proceedings of the 3rd international conference on mobile systems, services, and applications  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  Pdf (1.01 MB) **Additional Information:** [full citation](#), [abstract](#)  
**Biometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 80, Downloads

Multi-homed mobile hosts situated in physical proximity may spontaneously form networks by pooling their low wireless wide-area network (WWAN) bandwidth with a remote application server and utilizing ...




# 12 [Proxy data transfer system with a stable control channel and dynamic](#)

-  Akira Nagata, Shinya Yamamura, Masato Uchida, Masato Tsuru  
 September 2008 **CHANTS '08**: Proceedings of the third ACM workshop on Content-Aware Networked Transfer Systems  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  Pdf (331.52 KB) **Additional Information:** [full citation](#), [abstract](#)  
**Biometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 15, Downloads

The present paper introduces the Proxy Data Transfer system, which enables data transfer over long delays and leaky or frequently disconnecting networks (referred to as "challenged environment"), in which traditional ...

**Keywords:** challenged network, control channel, dtn, satellite link

# 13 [Ditto: a system for opportunistic caching in multi-hop wireless networks](#)


-  Fahad R. Dogar, Amar Phanishayee, Himabindu Pucha, Olatunji Ruwase, D. S.  
 September 2008 **MobiCom '08**: Proceedings of the 14th ACM international conference on mobile computing and networking  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  Pdf (1.46 MB) **Additional Information:** [full citation](#), [abstract](#)  
**Biometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 176, Downloads

This paper presents the design, implementation, and evaluation of Ditto, a system that caches overheard data to improve subsequent transfer throughput in wireless networks.


have been proposed as a way to provide ...

**Keywords:** mesh networks, multi-hop wireless networks, opportunistic

#### 14 [Performance OpenGL: platform independent techniques](#)

 Bob Kuehne, Tom True, Alan Commike, Dave Shreiner  
July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (3.76 MB)


[Additional Information: full citation, reference](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 134, Downl

#### 15 [Replication for web hosting systems](#)

 Swaminathan Sivasubramanian, Michal Szymaniak, Guillaume Pierre, Maar  
September 2004 **Computing Surveys (CSUR)**, Volume 36 Issue 3

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (374.99 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 33, Downloads (12 Months): 282, Downl

Replication is a well-known technique to improve the accessibility of Web latencies and increases a site's availability. However, applying replication Content Delivery Networks ...


**Keywords:** Web replication, content delivery networks

#### 16 [UniWireless: a distributed open access network](#)

 Danilo Severina, Mauro Brunato, Alessandro Ordine, Luca Veltri

September 2006 **WMASH '06: Proceedings of the 4th international workshop services on WLAN hotspots**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (272.06 KB)


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**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 31, Download

In this paper we describe the UniWireless framework, a nationwide distributed different research units collaborating in the TWELVE national project. The collection of involved hotspots, ...

**Keywords:** access gateways, authentication, authorization, open access

#### 17 [Using graphic Turing tests to counter automated DDoS attacks again](#)

 William G. Morein, Angelos Stavrou, Debra L. Cook, Angelos D. Keromytis,  
October 2003 **CCS '03: Proceedings of the 10th ACM conference on Computer**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (256.83 KB)

[Additional Information: full citation, abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 85, Download

We present WebSOS, a novel overlay-based architecture that provides targeted by a denial of service (DoS) attack. Our approach exploits two

environment: its design around a human-centric ...

**Keywords:** Java, graphic turing tests, web proxies


**18** [MaJaB: improving resource management for web-based applications](#)

 Du Li, Manish Arand

June 2009

**MobiSys '09:** Proceedings of the 7th international conference services

**Publisher:** ACM 

Full text available:  Pdf (639.16 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 396, Downl

The Web has become the host platform for interactive and collaborative multiple Web services. This transition is pushing the browsers to perform better resource utilization. ...


**Keywords:** ajax, collaborative systems, middleware, mobile phone, mc optimization, resource management, web 2.0, web os

**19** [Distributed content delivery using load-aware network coordinates](#)

 Nicholas Ball, Peter Pietzuch

December 2008 **CoNEXT '08:** Proceedings of the 2008 ACM CoNEXT Confer

**Publisher:** ACM 


Full text available:  Pdf (358.47 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 63, Downloa

To scale to millions of Internet users with good performance, content de requests between content servers while assigning clients to nearby serv CDN design that associates synthetic ...


**20** [Scalable dissemination: what's hot and what's not](#)

 Jonathan Beaver, Nicholas Morsillo, Kirk Pruhs, Panos K. Chrysanthia, Vinc

June 2004

**WebDB '04:** Proceedings of the 7th International Workshop o with ACM SIGMOD/PODS 2004

**Publisher:** ACM

Full text available:  Pdf (314.87 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 12, Downloa

A major problem in web database applications and on the Internet in ge One proposed solution for this problem is a hybrid system that uses mu popular data, and reserves traditional ...

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